

Biographical Sketch of Stefan W. Schneider

Date of Birth: November 10, 1966 in Schweinfurt, Germany

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Current position:

Director of the Department of Dermatology and Venerology

Academic education

11/87-05/94 School of Medicine University Würzburg, Izmir (Turkey), Chur (CH)
11/89-02/94 Doctoral Thesis (Prof. Dr. H. Oberleithner, Physiology, Univ. of Würzburg)
05/94 Medical License at University of Würzburg
07/94 Received Dr. of Medicine („Summa cum Laude“)

Scientific degrees

Promotion: Dr. med.: Physiology (Prof. Dr. Hans Oberleithner), University of Würzburg, Germany, 1994
Habilitation: Physiology, University of Münster, Germany, 2001 (Mentor: Prof. Dr. Hans Oberleithner)

Professional career

08/94-07/96 DFG-Fellowship at Dept. of Physiology Univ. Würzburg (Prof. Dr. H. Oberleithner), Dept. of Surgery and Cellular Physiology, Yale University, USA (Prof. Dr. J. Geibel/Prof. Dr. G. Giebisch)
08/96-09/97 Dept. Internal Medicine University Hospital Würzburg (Prof. Dr. K. Wilms)
08/97-09/97 Fellowship (Anniversary award University Würzburg) at Department of Cellular and Molecular Physiology, Yale University, USA
10/97-06/02 Department of Physiology, University Münster (Prof. Dr. H. Oberleithner)
11/97 Approbation
since 11/00 Head of working group „cell dynamics“
07/01 Habilitation (*Venia legendi* in Physiology)
03/02 Department of Dermatology, University of Münster (Prof. Dr. T. Luger)
08/02 Specialized in physiology
since 2005 Development aid in Cambodia (regularly in Phnom Penh)
04/06 Specialized in dermatology, venerology and allergology
06/06 Senior supervisor at the Department of Dermatology, University of Münster
06/06 3rd ranking W3 Physiology, University of Ulm
06/07 Apl-Professor
0908 specialized in phlebology
12/08 Full professor W3 “Cellular Differentiation” University Mannheim-Heidelberg due the nomination of the Department of Dermatology Mannheim (Director: Prof. Dr. Sergij Goerd) as the “Exzellenzzentrum Dermatologie in Baden-Württemberg”.

11/11 Certificate „Good clinical practice“
12/08-09/16 Head of the Section “Experimental Dermatology” and Assistant Medical Director (“Leitender Oberarzt”) at the Department of Dermatology, Venereology and Allergy
since 10/16 Director of the Department of Dermatology and Venerology, UKE Hamburg

FUNDING (ongoing)

DFG interdisziplinäres Trasferprojekt „Antibakterielle und abriebarme Beschichtung von Gleitflächen orthopädischer Implantate (Erkenntnistrasfer-Projekt)“ (SCHN 474/7-4); 04.2015 bis 03.2018

SFB/TR 23 (TP A9) Vascular differentiation and remodelling “Mechanism controlling the transition from quiescent to activated endothelium cells mediated by tumor cells”, 07.2013-06.2017

BMBF „Anwendung der Intravitaltomographie (Woundoptomizer) an chronischen Wunden”, 10.2010-06.2015

DFG Wissenschaftliche Forschergruppe „Shear flow regulated hemostasis“, (SCHN 474/5-1); 10.2014 bis 09.2017

EU Verbundprojekt „Nano3Bio (Nr. 616931)“, 10.2013-09.2017

CLINICAL STUDIES

Experience in conceptional design in clinical patient recruitment according to ICH-GCP. Experience in CRF documentation, skin assessment, AE and SAE reporting and other study specific procedures. Moreover coordinator and physician in charge in “Investigator initiated studies”. **2017: GCP**

DEVELOPMENT AID

Cambodia since 2005: To establish and support Dermatology in cambodia (education, teaching, infrastructure, patient care)

LECTURES

More than 100 invited lectures, including plenary lectures (topics: vascular biology, cancer spreading, vasculitis, psoriasis arthritis, nanomedicine, neutrophilic dermatoses; atopic dermatitis, nanoparticles in medicine; thrombosis; chronic wounds etc)

i.e. plenary lectures:

EADV Istanbul; Oct. 2013 (new techniques in dermatology)

DDG Berlin; May 2015 (coaguation and skin)

GTH Munich; Feb 2013 (Cancer and thrombosis)

Munich, July 2018 (Vasculitis and Vasculopathy)

EDITORIAL BOARD

Associate Editor: Journal Investigative Dermatology (2008-2012); Experimental Dermatology (ongoing)

HONORS

05/95	Franconian Science Prize in Human Medicine
03/99	Bennigsen-Foerder-Award
04/05	Oskar-Gans-Award (Dermatology)
10/07	Award for „innovative medical technology“ received from Federal Ministry of Education and Research (BMBF) by Minister Ms Dr. A. Schavan

PUBLICATIONS (selected publications, *corresponding author, in total: approx. 600 Impact Points)

- 1*. Yang Yi, Gorzelanny C., Bauer AT., Halter N., Komljenovic D., Bäuerle T., Borsig L., Roblek M., **Schneider SW**. Nuclear Heparanase-1 Activity Suppresses Melanoma Progression via its DNA Binding Affinity. *Oncogene* 2015, in press
- 2*. Bauer AT., Suckau J., Frank K., Desch A., Goertz L., Wagner AH., Hecker M., Goerge T., Umansky L., Beckhove P., Utikal J., Gorzelanny C., Diaz-Valdes N., Umansky V., **Schneider SW**. von Willebrand factor fibers promote cancer-associated platelet aggregation in malignant melanoma of mice and humans. *Blood* 2015, in press
- 2*. Huck V, Schneider MF, Gorzelanny C, **Schneider SW**. The various states of von Willebrand factor and their function in physiology and pathophysiology. *Thrombosis and haemostasis*. 2014;111(4):598-609.
- 3*. Grassle S, Huck V, Pappelbaum KI, Gorzelanny C, Aponte-Santamaria C, Baldauf C, et al. von Willebrand factor directly interacts with DNA from neutrophil extracellular traps. *Arteriosclerosis, thrombosis, and vascular biology*. 2014;34(7):1382-9.
- 4*. Pappelbaum KI, Gorzelanny C, Grassle S, Suckau J, Laschke MW, Bischoff M, et al. Ultralarge von Willebrand factor fibers mediate luminal Staphylococcus aureus adhesion to an intact endothelial cell layer under shear stress. *Circulation*. 2013;128(1):50-9.
5. Chen H, Fallah MA, Huck V, Angerer JI, Reininger AJ, **Schneider SW**, et al. Blood-clotting-inspired reversible polymer-colloid composite assembly in flow. *Nat Commun*. 2013;4:1333.
- 6*. Desch A, Strozyk EA, Bauer AT, Huck V, Niemeyer V, Wieland T, et al. Highly invasive melanoma cells activate the vascular endothelium via an MMP-2/integrin alphavbeta5-induced secretion of VEGF-A. *The American journal of pathology*. 2012;181(2):693-705.
7. Petri B, Broermann A, Li H, Khandoga AG, Zarbock A, Krombach F, et al. von Willebrand factor promotes leukocyte extravasation. *Blood*. 2010;116(22):4712-9.
- 8*. Kerk N, Strozyk EA, Poppelmann B, **Schneider SW**. The mechanism of melanoma-associated thrombin activity and von Willebrand factor release from endothelial cells. *J Invest Dermatol*. 2010;130(9):2259-68.
- 9*. **Schneider SW**, Nuschele S, Wixforth A, Gorzelanny C, Alexander-Katz A, Netz RR, et al. Shear-induced unfolding triggers adhesion of von Willebrand factor fibers. *Proceedings of the National Academy of Sciences of the United States of America*. 2007;104(19):7899-903.
- 10*. Goerge T, Barg A, Schnaeker EM, Poppelmann B, Shpacovitch V, Rattenholl A, et al. Tumor-derived matrix metalloproteinase-1 targets endothelial proteinase-activated receptor 1 promoting endothelial cell activation. *Cancer research*. 2006;66(15):7766-74.

PATENT:

Rajabi T., Guber A.E., Ahrens R., Huck V., and Schneider S.W., „Zwei-Kammer mikrofluidisches Kanalsystem“, Patent pending, 102011112638.8, 2011